CLAIMS

What is claimed is:

1. A computer-readable medium having software for editing a decomposed original video sequence, said decomposed original video sequence comprising one or more original

5 camera-motion layers and zero or more original fixed-frame layers decomposed from an original video sequence, said software comprising:

code segments for editing at least one of said original camera-motion layers to obtain modified camera-motion layers such that each frame of a composite modified video sequence composed from said modified camera-motion layers and said original fixed-frame layers is

10 obtained without editing each frame of said original video sequence, said editing comprising performing an edge operation to one of said original camera-motion layers.

2. A computer-readable medium as in claim 1, wherein said code segments for editing said original camera-motion layers comprise:

code segments for converting one of said original camera-motion layers to said original

15 image;

code segments for performing said edge operation to said original image to obtain an edge image;

code segments for editing said edge image to obtain a modified image; and

20 code segments for converting said modified image to one of said modified camera-motion layers.

37112-174878

3. A computer-readable medium as in claim 2, wherein said code segments for editing said original camera-motion layers further comprise:

code segments for rectifying said original image prior to performing said edge operation; and

code segments for rectifying said modified image prior to converting said modified image.

4. A computer-readable medium as in claim 1, wherein said code segments for editing said original camera-motion layers comprise:

code segments for inserting a portion into, deleting a portion from, or changing a portion of one of said original camera-motion layers to obtain one of said modified camera-motion layers.

5. A computer-readable medium as in claim 1, wherein said code segments for editing said original camera-motion layers comprise:

code segments for replacing one of said original camera-motion layers with another camera-motion layer to obtain one of said modified camera-motion layers.

6. A computer-readable medium as in claim 1, wherein said code segments for editing said original camera-motion layers comprise:

code segments for adding a video sequence to one of said original camera-motion layers to obtain one of said modified camera-motion layers.

37112-174878

7. A computer-readable medium as in claim 1, wherein said code segments for editing said original camera-motion layers comprise:

code segments for adding an animation sequence to one of said original camera-motion layers to obtain one of said modified camera-motion layers.

5

8. A computer-readable medium as in claim 1, wherein said code segments for editing said original camera-motion layers comprise:

code segments for adding a three-dimensional object to one of said original camera-motion layers to obtain one of said modified camera-motion layers.

10

9. A computer-readable medium as in claim 1, wherein said code segments for editing said original camera-motion layers comprise:

code segments for adding a user-activated region to one of said original camera-motion layers to obtain one of said modified camera-motion layers.

15

10. A computer-readable medium as in claim 1, wherein said code segments for editing said original camera-motion layers comprise:

code segments for modifying an on/off time of one of said original camera-motion layers to obtain one of said modified camera-motion layers.

20

11. A computer-readable medium as in claim 1, wherein said code segments for editing said original camera-motion layers comprise:

37112-174878